School of Medicine
PRAC Report
2003-2004

During the 2003-2004 academic year, the Indiana University School of Medicine has continued to conduct programmatic review on the departmental and school levels. We continue to collect learners' evaluations of teachers and courses, peer evaluation, individual student performance data, and most recently have implemented a formal continuous quality improvement (CQI) program. Individual student performance measures that are reviewed include: course assignments, written examination, performance-based examinations (patient interviews, objectively structured clinical examinations, clinical skill performance), competency exercises, performance on United States Medical Licensing Examinations, faculty observation, peer-assessment, and overall academic performance.   CQI measures that are reviewed include: students' evaluation data, student performance data within a specific course, integration activity (course content and competencies), and national benchmarks recorded in the curriculum database used by the Association of American Medical Colleges (AAMC).   One major result of programmatic assessment has been the establishment of an interdisciplinary Musculoskeletal Task Force to improve the musculoskeletal curriculum throughout the four-year medical school curriculum. Another result of improved assessment was the establishment of Competency Teams to help more fully realized a theoretical-based, developmentally appropriate curriculum in the nine competency areas: (1) Effective Communication, (2) Basic Clinical Skills, (3) Using Science to Guide Diagnosis, Management, Therapeutics, and Prevention, (4) Lifelong Learning, (5) Self-Awareness, Self-Care, and Personal Growth, (6) the Social and Community Contexts of Health Care, (7) Moral Reasoning and Ethical Judgment, (8) Problem Solving, and (9) Professionalism and Role Recognition.   Additionally, faculty are exploring the notion of utilizing team base learning in large traditional lecture courses.

Indiana University School of Medicine
Health Professions Programs

2003 – 04 Assessment Report

The Health Professions Programs include the undergraduate programs that reside within the School of Medicine.   These include:

Program	Degree Awarded
Clinical Laboratory Science	B.S.
Cytotechnology	B.S.
Histotechnology	Cert., A.S.
Paramedic Science	A.S.
Radiologic Sciences	A.S., B.S.
Radiation Therapy	B.S.

Indiana University School of Medicine
Health Professions Programs

2003 – 04

Assessment of the Health Professions Programs Goals

Goal 1: To build upon sound principles of general education by preparing students to communicate effectively, exhibit quantitative skills, think critically, integrate and apply knowledge, exhibit intellectual depth and breadth, be intellectually adaptive, appreciate societal and cultural diversity, and apply ethical standards and values to professional practice.

Goal / Principle	Program Competency	Teaching Strategy	Measures	Benchmarks	Met/Unmet	Actions Taken
1. Communication and Quantitative Skills	Write effectively	Papers	Scores on papers			
	Comprehend, Interpret, and Analyze Text	Case Study reports and presentations	Feedback on reports			
			Feedback on presentations			
	Demonstrate Effective oral Communication Skills					
	Solve quantitative problems	Practical Exams		HPP will have at least 90% pass rate on completed clinical experiences	Met – 98%	None required
		Clinical Experiences	Ratings on clinical experiences			
	Use information resources and technology for personal and professional needs	Laboratories	Student presentations at professional meetings	At least one HPP student will present or publish at Undergraduate Research Opportunities Program or at state or national level	Not Met	Will re-evaluate to determine if goal is feasible
			Student published papers			
			Employer surveys	For employer surveys, HPP will receive summative evaluation rating of at least 3 on a 5 point scale.	Met – 100% of those completed	None required

Goal / Principle	Program Competency	Teaching Strategies	Measures	Benchmarks	Met/Unmet	Actions Taken
2. Critical Thinking	Use knowledge to explore new questions from multiple perspectives	Class discussions	Feedback on class participation	HPP will have at least 90% pass rate on final clinical experience	Met – 98%	None required
	Solve challenging problems	Article critiques	Scores on critiques	HPP will have at least 95% pass rate on final practical exams	Met – 100%	None required
	Analyze complex issues, make informed decisions, evaluate decisions made	Practical Exams	Ratings on clinical experiences			
	Synthesize information to arrive at reasoned conclusions		Final Practical Exam Scores			
	Evaluate logic, validity, and relevance of information					
3. Use information and concepts from multiple disciplines in intellectual, professional and community lives	Enhance personal lives	Clinical experiences	Ratings on clinical experiences	HPP will have at least 95% pass rate on clinical experience	Met – 98%	None required
	Meet academic and professional competencies	Capstone courses	Capstone course gradess			
	Further goals of society	Summative Examination s	Comprehensive Exam Scores			
			Certification Examination Scores	Average score of program cohort will be at or above national mean on total and content scores	Met – 100% of those completed	None required
		Employer Surveys	Ratings on Employer Surveys	HPP will have average summative rating of at least 3 or greater (5 point scale)	Met – for those completed	None required

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
4. Intellectual Depth, Breadth, and Adaptiveness	Demonstrate substantial knowledge of at least one field of study Compare / contrast approaches to knowledge in different disciplines Modify approach to issue / problem based on contexts / requirements of situations	Clinical experiences Practical Exams Capstone Courses	Ratings on clinical experiences Final Practical Exam Scores Summative Exam Scores Certification Exam Scores Student Job Placement Employer Surveys	HPP will have at least 95% pass rate on clinical experiences	Met – 98%	None required
				HPP will have at least 95% pass rate on final practical exams	Met – 100%	None required
				HPP will have at least 90% pass rate on final exam rate	Met – 97%	None required
				Average score of program cohort will be at or above national mean on certifying exams	Met – for those completed	None required
				For HPP graduates seeking em-ployment, at least 90% placed in jobs within six month of graduation	Met	None required
				HPP will receive summative rating of at least 3 on a 5 point scale from employer evaluations	Met – for those completed	None required
5. Society and Culture	Compare / contrast range of diversity and universality in human history Analyze and understand inter-connectedness of global and local concerns Operate with civility in a complex social world	Clinical experiences Problem-based learning exercises Expectations for professional behavior embedded in curriculum	Written papers Written exams Ratings on clinical experiences Graduate surveys Employer surveys	All HPP students follow appropriate professional code of ethics.	Met	None required

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
6. Values and Ethics	Make formal and principled choices in conflicting situations / foresee consequences of choices Recognize importance of aesthetics in personal lives and to society	Class discussions Case study reports Clinical experience	Ratings on clinical experiences Employer surveys Critical incident reports	HPP will have at least 95% pass rate on clinical experiences HPP will receive summative rating of at least 3 or better on 5 point scale for employer evaluations	Met – 99% Met	None required None required

Goal #2: To provide undergraduate degree programs that offer education related to the provision and management of health services by the various health professions.

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. To provide undergraduate degree programs	Complete certificate or degree programs Obtain credentials required for practice	Capstone courses Clinical experiences	Final Course Grades Comprehensive Exams Final Practical Exams Certification Exam Scores	HPP will have at least 90% graduation rate HPP will have at least 95% pass rate on clinical experiences Average score of program cohort will be at or above national mean on certification exam	Met – 99% Met – 99% Met – 100% for those completed	None required None required None required

Goal #3: To contribute to the advancement of knowledge through research

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Advance knowledge through research	Conduct literature review Collect data Analyze data Present results Conduct research	SOM provides opportunity to participate in research endeavors IU provides opportunity to participate in research skill development	Peer reviewed articles Platform presentations Poster presentations Book chapters Grants submitted CD-ROM Textbook Abstracts Other journal articles	HPP faculty will complete or participate in at least four measures.	Met - Collectively, faculty published 2 articles, presented 1 talk and 2 posters.. Two contracts and one grant have been secured. Three CD-ROMs have been released for sale. Two book chapters and a cell atlas were published.	None required

Goal #4: To provide continuing education for health professions practitioners wishing to further their career development

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Provide continuing education for practicing professionals	Engage in life long learning Engage in activities that promote career development	Provide programs that are approved by professional organization continuing education program Provide programs that meet needs of practitioners	Number of CE units offered	HPP faculty will provide at least one program annually HPP faculty will provide at least 5 external lectures annually Participant evaluation ratings will be above average.	Met - Seven faculty provided oral presentations. Four provided workshops. Not Met - Four external lectures were provided. Met	None required Will encourage increased productivity None required

Goal #5: To foster the development of lifelong habits for scholarship and service among faculty and students.

Goal / Principle	Program Competencies	Teaching Strategies	Measures	Benchmarks	Met / Unmet	Actions Taken
1. Encourage life long habits of service among faculty	Participate in service activities at all levels of professional and/or community life	Seek / accept membership on committees Seek / accept leadership roles	Performance indicator reports	At least 70 % of HPP faculty will participate in service / leadership activities	Met – 94% engaged in service and 75% engaged in leadership	None required
2. Encourage life long habits of service among students	Participate in service in profession or community	Pursue membership in professional Organizations	Student reports of service Graduate surveys	At least 10 % of professional students will participate in service activities	Met	None required
3. Provide faculty with opportunity to participate in scholarly or creative activities	Participate in continuing education Present academic instruction informed by current research and body of knowledge Participate in scholarly or creative activity Participate in patient education	SOM provides opportunity to participate in continuing education programs SOM provides opportunity to participate in scholarly or creative activitites	Performance indicator reports	At least 50% of HPP faculty will participate in scholarly activity	Met	None required
4. Provide students with opportunity to participate in scholarly or creative activities	Participate in scholarly or creative activity with HPP faculty	Capstone projects	Final course project	At least 50% of B.S. students in final year will be involved in scholarly or creative activity	Met	None required

6/15/04